

# SP120WP5PD GaN Desktop Series

## GaN USB-PD Desktop



120W 1× USB-C + 1× USB-A

### Highlights:

- ✓ 120W 1× USB-C + 1× USB-A
- ✓ USB Power Delivery | Gallium Nitride (GaN) Design
- ✓ USB-C: 5V, 9V, 12V, 15V, 20V | USB-A: 5V, 9V, 12V
- ✓ C8 AC input
- ✓ RoHS, REACH, DoE VI, CoC v5 Tier 2 compliant
- ✓ Certified: ETL|CE|RCM|PSE
- ✓ 3 Year Warranty
- ✓ Can be modified or customized for an exact fit solution

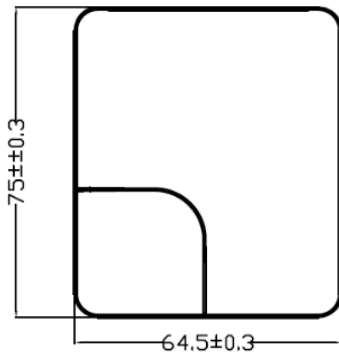


### Output voltage and current

| Port Type | Output Voltage and Current:                    | Output Power: |
|-----------|--|---------------|
| USB-C (1) | 5V @ 3A, 9V @ 3A, 12V @ 3A, 15V @ 3A, 20V @ 5A | 100W          |
| USB-A (1) | 5V @ 3A, 9V @ 3A, 12V @ 2.5A                   | 30W           |

### Electrical Characteristics

|                                   |  |
|-----------------------------------|--|
| Charging Protocols:               | USB-C: PPS/PD3.0/PD2.0 QC4+/QC4/QC3.0/QC2.0 Class A/Class B/<br>AFC/FCP/SCP/PE2.0/PE1.1<br>USB-A: QC3.0/QC2.0/AFC/FCP/SCP/PE2.0/PE1.1/SFCP |
| Input Voltage & Frequency:        | 90 - 264 (47 - 63 Hz)  |
| Input Current:                    | 2 A Max  |
| Leakage Current:                  | Class I: 3.5mA Max.   Class II: 0.25mA Max.  |
| Ripple & Noise (Pk-Pk):           | 1% of O/P voltage  |
| Operating Temperature:            | -20°C to +40°C   |
| Efficiency:                       | DoE Level VI and CoC v5 Tier 2 Criteria  |
| Withstanding Voltage:             | Input to Output: 3000 VAC  |
| Mean Time Between Failure (MTBF): | 100,000 Hrs Min. (Telcordia SR-332)  |
| Protections:                      | Short Circuit Protection, Over-voltage Protection, Over-current Protection, Over-temperature Protection                                    |
| Industry Compliance:              | Directive (EU) 2015/863 (RoHS 3), REACH, DoE VI, EC:2019/1782, CoC v5 Tier 2   |
| EMI/EMC Requirements:             | FCC Part 15 Class B, EN 55032 Class B, AS/NZS CISPR-32 Class B, J55032(H29), ICES-003, EN 55035, EN/IEC 61000-3-2, -3-3                    |
| Safety Compliance:                | ETL:62368-1, EN:62368(Ed.2), AS/NZS:62368.1:2018, J:62368(Ed.3)  |



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